

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 08/862610

CRF Processing Date: 7/30/97
 Edited by: [Signature]
 Verified by: [Signature] (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other 29 1997
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☒ Other: Seq 6 - corrected (A) LENGTH: response
- inserted hard return after 1st nucleic end of seq

ENTERED

RECEIVED
 OCT 10 1997
 GROUP 18

18x1
9-(8-9)

***Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/862,610DATE: 07/30/97
TIME: 13:59:47

INPUT SET: S19282.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Glenn Albrecht, Sydney Brenner, David H. Lloyd
6
7 (ii) TITLE OF INVENTION: Massively Parallel Signature Sequencing
8 by Ligation of Encoded Adaptors
9
10 (iii) NUMBER OF SEQUENCES: 28
11
12 (iv) CORRESPONDENCE ADDRESS:
13 (A) ADDRESSEE: Stephen C. Macevicz, Lynx Therapeutics, Inc.
14 (B) STREET: 3832 Bay Center Place
15 (C) CITY: Hayward
16 (D) STATE: California
17 (E) COUNTRY: USA
18 (F) ZIP: 94545
19
20 (v) COMPUTER READABLE FORM:
21 (A) MEDIUM TYPE: 3.5 inch diskette
22 (B) COMPUTER: IBM compatible
23 (C) OPERATING SYSTEM: Windows 3.1/DOS 5.0
24 (D) SOFTWARE: Microsoft Word for Windows, vers. 2.0
25
26 (vi) CURRENT APPLICATION DATA:
27 (A) APPLICATION NUMBER:
28 (B) FILING DATE:
29 (C) CLASSIFICATION:
30
31 (vii) PRIOR APPLICATION DATA:
32 (A) APPLICATION NUMBER: 08/689,587
33 (B) FILING DATE: 12-AUG-96
34
35 (vii) PRIOR APPLICATION DATA:
36 (A) APPLICATION NUMBER: 08/659,453
37 (B) FILING DATE: 06-JUN-96
38
39 (viii) ATTORNEY/AGENT INFORMATION:
40 (A) NAME: Stephen C. Macevicz
41 (B) REGISTRATION NUMBER: 30,285
42 (C) REFERENCE/DOCKET NUMBER: 808-lus
43
44 (ix) TELECOMMUNICATION INFORMATION:
45 (A) TELEPHONE: (510) 670-9365
46 (B) TELEFAX: (510) 670-9302

REC
1 OCT
GRC

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/862,610DATE: 07/30/97
TIME: 13:59:51

INPUT SET: S19282.raw

47
48
49 (2) INFORMATION FOR SEQ ID NO: 1:
50
51 (i) SEQUENCE CHARACTERISTICS:
52 (A) LENGTH: 28 nucleotides
53 (B) TYPE: nucleic acid
54 (C) STRANDEDNESS: double
55 (D) TOPOLOGY: linear
56
57 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
58
59 TGGATTCTAG AGAGAGAGAG AGAGAGAG 28
60
61
62 (2) INFORMATION FOR SEQ ID NO: 2:
63
64 (i) SEQUENCE CHARACTERISTICS:
65 (A) LENGTH: 16 nucleotides
66 (B) TYPE: nucleic acid
67 (C) STRANDEDNESS: double
68 (D) TOPOLOGY: linear
69
70 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
71
72
73 NNGGATGNNN NNNNNN 16
74
75
76 (2) INFORMATION FOR SEQ ID NO: 3:
77
78 (i) SEQUENCE CHARACTERISTICS:
79 (A) LENGTH: 11 nucleotides
80 (B) TYPE: nucleic acid
81 (C) STRANDEDNESS: single
82 (D) TOPOLOGY: linear
83
84 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
85
86
87 NRRGATCYNN N 11
88
89
90 (2) INFORMATION FOR SEQ ID NO: 4:
91
92 (i) SEQUENCE CHARACTERISTICS:
93 (A) LENGTH: 20 nucleotides
94 (B) TYPE: nucleic acid
95 (C) STRANDEDNESS: double
96 (D) TOPOLOGY: linear
97
98 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
99

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/862,610DATE: 07/30/97
TIME: 13:59:54

INPUT SET: S19282.raw

```
100 AGTGGCTGGG CATCGGACCG
101
102 (2) INFORMATION FOR SEQ ID NO: 5:
103
104 (i) SEQUENCE CHARACTERISTICS:
105 (A) LENGTH: 20 nucleotides
106 (B) TYPE: nucleic acid
107 (C) STRANDEDNESS: double
108 (D) TOPOLOGY: linear
109
110 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
111
112 GGGGCCCAGT CAGCGTCGAT
113
114
115 (2) INFORMATION FOR SEQ ID NO: 6:
116
117 (i) SEQUENCE CHARACTERISTICS:
118 (A) LENGTH: 70 nucleotides
119 (B) TYPE: nucleic acid
120 (C) STRANDEDNESS: double
121 (D) TOPOLOGY: linear
122
123 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
124
125 AAAAGGAGGA GGCCTTGATA GAGAGGACCT GTTTAAACGT TTAAACGGAT
126 CCTCTTCTTC TTCTCTTCC
127
128
129 (2) INFORMATION FOR SEQ ID NO: 7:
130
131 (i) SEQUENCE CHARACTERISTICS:
132 (A) LENGTH: 34 nucleotides
133 (B) TYPE: nucleic acid
134 (C) STRANDEDNESS: single
135 (D) TOPOLOGY: linear
136
137 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
138
139 CTAAACCATT GGTATGGGCC AGTGAATTGT AATA
140
141
142 (2) INFORMATION FOR SEQ ID NO: 8:
143
144 (i) SEQUENCE CHARACTERISTICS:
145 (A) LENGTH: 55 nucleotides
146 (B) TYPE: nucleic acid
147 (C) STRANDEDNESS: single
148 (D) TOPOLOGY: linear
149
150 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
151
152 CGCGCAGCCC GCATCGTTTA TGCTACAGAC TGTCAGTGCA
```

20

20

50

70

34

40

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/862,610DATE: 07/30/97
TIME: 13:59:58

INPUT SET: S19282.raw

153 GCTCTCCGAT CCAAA 55
154
155 (2) INFORMATION FOR SEQ ID NO: 9:
156
157 (i) SEQUENCE CHARACTERISTICS:
158 (A) LENGTH: 16 nucleotides
159 (B) TYPE: nucleic acid
160 (C) STRANDEDNESS: double
161 (D) TOPOLOGY: linear
162
163 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
164
165 TCGATGGGCT AGATTT 16
166
167
168 (2) INFORMATION FOR SEQ ID NO: 10:
169
170 (i) SEQUENCE CHARACTERISTICS:
171 (A) LENGTH: 30 nucleotides
172 (B) TYPE: nucleic acid
173 (C) STRANDEDNESS: double
174 (D) TOPOLOGY: linear
175
176 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
177
178 ANNNTACAGC TGCATCCCTT GGCCTGAGG 30
179
180 (2) INFORMATION FOR SEQ ID NO: 11:
181
182 (i) SEQUENCE CHARACTERISTICS:
183 (A) LENGTH: 30 nucleotides
184 (B) TYPE: nucleic acid
185 (C) STRANDEDNESS: double
186 (D) TOPOLOGY: linear
187
188 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
189
190 NANNTACAGC TGCATCCCTG GGCCTGTAAG 30
191
192
193 (2) INFORMATION FOR SEQ ID NO: 12:
194
195 (i) SEQUENCE CHARACTERISTICS:
196 (A) LENGTH: 30 nucleotides
197 (B) TYPE: nucleic acid
198 (C) STRANDEDNESS: double
199 (D) TOPOLOGY: linear
200
201 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
202
203 CNNNTACAGC TGCATCCCTT GACGGGTCTC 30
204
205 (2) INFORMATION FOR SEQ ID NO: 13:

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/862,610DATE: 07/30/97
TIME: 14:00:01

INPUT SET: S19282.raw

206
207 (i) SEQUENCE CHARACTERISTICS:
208 (A) LENGTH: 30 nucleotides
209 (B) TYPE: nucleic acid
210 (C) STRANDEDNESS: double
211 (D) TOPOLOGY: linear
212
213 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
214
215 NCNNTACAGC TGCATCCCTG CCCGCACAGT 30
216
217 (2) INFORMATION FOR SEQ ID NO: 14:
218
219 (i) SEQUENCE CHARACTERISTICS:
220 (A) LENGTH: 30 nucleotides
221 (B) TYPE: nucleic acid
222 (C) STRANDEDNESS: double
223 (D) TOPOLOGY: linear
224
225 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
226
227 GNNNTACAGC TGCATCCCTT CGCCTCGGAC 30
228
229 (2) INFORMATION FOR SEQ ID NO: 15:
230
231 (i) SEQUENCE CHARACTERISTICS:
232 (A) LENGTH: 30 nucleotides
233 (B) TYPE: nucleic acid
234 (C) STRANDEDNESS: double
235 (D) TOPOLOGY: linear
236
237 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
238
239 NGNNTACAGC TGCATCCCTG ATCCGCTAGC 30
240
241
242 (2) INFORMATION FOR SEQ ID NO: 16:
243
244 (i) SEQUENCE CHARACTERISTICS:
245 (A) LENGTH: 30 nucleotides
246 (B) TYPE: nucleic acid
247 (C) STRANDEDNESS: double
248 (D) TOPOLOGY: linear
249
250 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
251
252 TNNNTACAGC TGCATCCCTT CCGAACCCGC 30
253
254 (2) INFORMATION FOR SEQ ID NO: 17:
255
256 (i) SEQUENCE CHARACTERISTICS:
257 (A) LENGTH: 30 nucleotides
258 (B) TYPE: nucleic acid

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/862,610DATE: 07/30/97
TIME: 14:00:05

INPUT SET: S19282.raw

***** PREVIOUSLY ERRORED SEQUENCES - EDITED *****

115 (2) INFORMATION FOR SEQ ID NO: 6:

116

117 (i) SEQUENCE CHARACTERISTICS:

118 (A) LENGTH: 70 nucleotides

119 (B) TYPE: nucleic acid

120 (C) STRANDEDNESS: double

121 (D) TOPOLOGY: linear

122

123 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

124

125 AAAAGGAGGA GGCCTTGATA GAGAGGACCT GTTTAAACGT TTAAACGGAT 50

126 CCTCTTCCTC TTCCTCTTCC 70

127

128

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/862,610

DATE: 07/30/97
TIME: 14:00:06

INPUT SET: S19282.raw

Line

Error

Original Text

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/862,610DATE: 07/30/97
TIME: 10:31:16

INPUT SET: S19282.raw

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

Does Not Comply
Corrected Diskette Needed

SEQUENCE LISTING

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Glenn Albrecht, Sydney Brenner, David H. Lloyd
6
7 (ii) TITLE OF INVENTION: Massively Parallel Signature Sequencing by Ligation of En
8
9 (iii) NUMBER OF SEQUENCES: 28
10
11 (iv) CORRESPONDENCE ADDRESS:
12 (A) ADDRESSEE: Stephen C. Macevich, Lynx Therapeutics, Inc.
13 (B) STREET: 3832 Bay Center Place
14 (C) CITY: Hayward
15 (D) STATE: California
16 (E) COUNTRY: USA
17 (F) ZIP: 94545
18
19 (v) COMPUTER READABLE FORM:
20 (A) MEDIUM TYPE: 3.5 inch diskette
21 (B) COMPUTER: IBM compatible
22 (C) OPERATING SYSTEM: Windows 3.1/DOS 5.0
23 (D) SOFTWARE: Microsoft Word for Windows, vers. 2.0
24
25 (vi) CURRENT APPLICATION DATA:
26 (A) APPLICATION NUMBER:
27 (B) FILING DATE:
28 (C) CLASSIFICATION:
29
30 (vii) PRIOR APPLICATION DATA:
31 (A) APPLICATION NUMBER: 08/689,587
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34 (vii) PRIOR APPLICATION DATA:
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36 (B) FILING DATE: 06-JUN-96
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44 (A) TELEPHONE: (510) 670-9365
45 (B) TELEFAX: (510) 670-9302

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/862,610DATE: 07/30/97
TIME: 10:31:18

INPUT SET: S19282.raw

46
47

ERRORED SEQUENCES FOLLOW:

114 (2) INFORMATION FOR SEQ ID NO: 6:
115
116 (i) SEQUENCE CHARACTERISTICS:
--> 117 (A) LENGTH: 20 nucleotides 70 shown
118 (B) TYPE: nucleic acid
119 (C) STRANDEDNESS: double
120 (D) TOPOLOGY: linear
121
122 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
123
124 AAAAGGAGGA GGCCTTGATA GAGAGGACCT GTTTAAACGT TTAAACGGAT 50 CCTCTTCCTC TTCCTCTTCC
125
126

↓ insert hard return

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/862,610

DATE: 07/30/97
TIME: 10:31:19

INPUT SET: S19282.raw

Line	Error	Original Text
117	Entered (20) and Calc. Seq. Length (0) differ	(A) LENGTH: 20 nucleotides